

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No: 06005/39537

03945 U.S. PRO  
10/656005  
09/05/03



PATENT APPLICATION TRANSMITTAL UNDER 37 C.F.R. 1.53

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing is the patent application of

Inventors: Gary Law, Michael G. Ott, Kent A. Burr, Godfrey R. Sherriff, and Julian Naidoo

Title: STATE MACHINE FUNCTION BLOCK WITH A USER MODIFIABLE STATE  
TRANSITION CONFIGURATION DATABASE

1. Type of Application

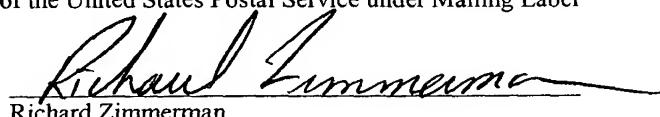
- This is a new application for a
  - utility patent.
  - design patent.
- This is a continuation-in-part application of prior application.

2. Application Papers Enclosed

- 1 Title Page
- 24 Pages of Specification (excluding Claims, Abstract, Sequence Listing & Drawings)
- 18 Page(s) of Claims
- 1 Page(s) of Abstract
- 13 Sheet(s) of Drawings (Figs. 1 to 17)
  - Formal
  - Informal
- 0 Page(s) of Sequence Listing

CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this Patent Application Transmittal and the documents referred to as enclosed therewith are being deposited with the United States Postal Service on September 5, 2003, in an envelope addressed to the Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 utilizing the "Express Mail Post Office to Addressee" service of the United States Postal Service under Mailing Label No. EV 323 774 832 US.

  
Richard Zimmerman

**3. Declaration or Oath**

Enclosed

Executed by (check all applicable boxes)

Inventor(s)

Legal representative of inventor(s)  
(37 CFR 1.42 or 1.43)

Joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached

The petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 are enclosed. See Item 5D below for fee.

Not enclosed - the undersigned attorney or agent is authorized to file this application on behalf of the applicant(s). An executed declaration will follow.

**4. Small Entity Status**

Applicant claims small entity status. See 37 CFR 1.27.

A small entity statement is(are) attached.

**5. Additional Papers Enclosed**

Preliminary Amendment

Information Disclosure Statement

Declaration of Biological Deposit

Computer readable copy of sequence listing containing nucleotide and/or amino acid sequence

Microfiche computer program

Associate Power of Attorney

Verified translation of a non-English patent application

An assignment of the invention

Request and Certification Under 35 U.S.C. 122(b)(2)(B)(i)

Return receipt postcard

Other: Application Data Sheet

**6. Priority Applications Under 35 USC 119**

Certified copies of applications from which priority under 35 USC 119 is claimed are listed below and

are attached.

will follow.

COUNTRY	APPLICATION NO.	FILED

**7. Filing Fee Calculation (37 CFR 1.16)**

**A.  Utility Application**

CLAIMS AS FILED - INCLUDING PRELIMINARY AMENDMENT(S) (IF ANY)						
			SMALL ENTITY	OTHER THAN A SMALL ENTITY		
	NO. FILED	NO. EXTRA	RATE	FEE	RATE	FEE
BASIC FEE				\$375.00		\$750.00
TOTAL	79 - 20	= 59	X 9 =	\$0.00	X 18 =	\$1062.00
INDEP.	4- 3	= 1	X 42 =	\$0.00	X 84 =	\$84.00
First Presentation of Multiple Dependent Claim			+ 140 =	\$0.00	+ 280 =	\$0.00
Filing Fee:				\$0.00	OR	\$1,788.00

**B.  Design Application (\$165.00/\$330.00)** Filing Fee: \$

**C.  Plant Application (\$255.00/\$510.00)** Filing Fee: \$

**D. Other Fees**

Recording Assignment [Fee — \$40.00 per assignment] \$

Petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached [Fee — \$130.00] \$

Other \$

**Total Fees Enclosed \$1,788.00**

**8. Method of Payment of Fees**

Enclosed check in the amount of: \$1,788

Charge Deposit Account No. 13-2855 in the amount of: \$  
A copy of this Transmittal is enclosed.

Not enclosed

**9. Deposit Account and Refund Authorization**

The Commissioner is hereby authorized to charge any deficiency in the amount enclosed or any additional fees which may be required during the pendency of this application under 37 CFR 1.16 or 37 CFR 1.17 or under other applicable rules (except payment of issue fees), to Deposit Account No. 13-2855. A copy of this Transmittal is enclosed.

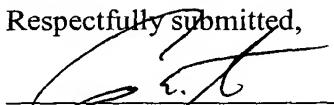
Please refund any overpayment to Marshall, Gerstein & Borun at the address below.

**10. Correspondence Address**

Customer No.: 04743

Respectfully submitted,

By:

  
\_\_\_\_\_  
Gregory E. Stanton  
Reg. No: 45,127  
MARSHALL, GERSTEIN & BORUN  
6300 Sears Tower  
233 South Wacker Drive  
Chicago, Illinois 60606-6357  
(312) 474-6300  
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September 5, 2003

17236 U.S. PTO  
09/05/03

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003, Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$ 1,788.00)

Complete if Known	
Application Number	Not Yet Assigned
Filing Date	September 5, 2003 - Herewith
First Named Inventor	Gary Law
Examiner Name	Not Yet Assigned
Art Unit	N/A
Attorney Docket No.	06005/39537

## METHOD OF PAYMENT (check all that apply)

Check  Credit Card  Money Order  Other  None  
 Deposit Account

Deposit Account Number 13-2855

Deposit Account Name MARSHALL, GERSTEIN & BORUN LLP

The Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)
1051	130	2051	65 Surcharge - late filing fee or oath
1052	50	2052	25 Surcharge - late provisional filing fee or cover sheet.
1053	130	1053	130 Non-English specification
1812	2,520	1812	2,520 For filing a request for ex parte reexamination
1804	920*	1804	920* Requesting publication of SIR prior to Examiner action
1805	1,840*	1805	1,840* Requesting publication of SIR after Examiner action
1251	110	2251	55 Extension for reply within first month
1252	410	2252	205 Extension for reply within second month
1253	930	2253	465 Extension for reply within third month
1254	1,450	2254	725 Extension for reply within fourth month
1255	1,970	2255	985 Extension for reply within fifth month
1401	320	2401	160 Notice of Appeal
1402	320	2402	160 Filing a brief in support of an appeal
1403	280	2403	140 Request for oral hearing
1451	1,510	1451	1,510 Petition to institute a public use proceeding
1452	110	2452	55 Petition to revive - unavoidable
1453	1,300	2453	650 Petition to revive - unintentional
1501	1,300	2501	650 Utility issue fee (or reissue)
1502	470	2502	235 Design issue fee
1503	630	2503	315 Plant issue fee
1460	130	1460	130 Petitions to the Commissioner
1807	50	1807	50 Processing fee under 37 CFR 1.17(q)
1806	180	1806	180 Submission of Information Disclosure Stmt
8021	40	8021	40 Recording each patent assignment per property (times number of properties)
1809	750	2809	375 Filing a submission after final rejection (37 CFR 1.129(a))
1810	750	2810	375 For each additional invention to be examined (37CFR 1.129(b))
1801	750	2801	375 Request for Continued Examination (RCE)
1802	900	1802	900 Request for expedited examination of a design application
Other fee (specify)		1614; 1615	Claims - extra independent (over three); Claims - extra total (over 20)

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) (\$)**

\*\*or number previously paid, if greater; For Reissues, see above

## SUBMITTED BY

Name (Print/Type)	Signature	Registration No. (Attorney/Agent)	45,127	Telephone	(312) 474-6300
Signature				Date	September 5, 2003

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 323774832 US, in an envelope addressed to: MS Patent Application, Commission for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: September 5, 2003

Signature:

(Richard Zimmermann)